



1341 West Mockingbird Lane • Dallas, Texas 75247 • 972 647 6700 • www.txi.com

MATERIAL SAFETY DATA SHEET

SECTION 1 - IDENTITY

Name TXI OPERATIONS, LP	Address 1341 W. MOCKINGBIRD LANE, DALLAS, TEXAS 75247
Emergency Telephone Number (972) 647-6700	Date NOVEMBER 1998
Common Name (used on label) MASONRY CEMENT	Chemical Family DOES NOT APPLY
Chemical Name DOES NOT APPLY	Formula A HETEROGENEOUS MIXTURE OF BASIC CALCIUM SILICATES, ALUMINATES AND FERRITES TOGETHER WITH CALCIUM CARBONATE AND SMALL IMPURITIES OF MAGNESIA, CHROMIUM AND COMPLEX ALKALI METAL COMPOUNDS.
Trade Name & Synonyms MASONRY CEMENT, TXI MASONS MIX TYPE S-N	

SECTION 2 - HAZARDOUS INGREDIENTS

Hazardous Component	CAS #	% Typical	TLV (Units)	PEL (Units)
PORTLAND CEMENT	65997-15-1	55 - 70	10 mg/m ³	5 mg/m ³ *
LIMESTONE	1317-65-3	30 - 40	10 mg/m ³	10 mg/m ³
QUARTZ	14808-60-7	< 2	0.1 mg/m ³ *	0.1 mg/m ³ *
GYPSUM	13397-24-5	2 - 3	10 mg/m ³	5 mg/m ³ *

* Respirable portion.

PEL: Permissible Exposure Limit established by the Occupational Safety and Health Administration (OSHA).

TLV: Threshold Limit Value established by the American Conference of Governmental Industrial Hygienists (ACGIH).

SECTION 3 - PHYSICAL DATA

Boiling Point DOES NOT APPLY	Specific Gravity (H₂O = 1) 2.80 - 3.00	Vapor Pressure (mm = Hg) DOES NOT APPLY
Percent Volatile by Volume 0%	Vapor Density (Air = 1) DOES NOT APPLY	Evaporation Rate (n = Butyl Acetate) DOES NOT APPLY
Percent Soluble in Water SLIGHT (0.1 - 1.0%)	Reactivity in Water WILL NOT EVOLVE FLAMMABLE OR TOXIC GASES	
Appearance and Odor FINE, GRAY POWDER, NO ODOR		

Hazardous Material Information System Identifier (HMIS)

HEALTH = 2 FLAMMABILITY = 0 REACTIVITY = 1 PERSONAL PROTECTION = X

SECTION 4 - FIRE AND EXPLOSION DATA

Flash Point WILL NOT IGNITE	Flammable Limits in Air (% by Volume) <u>Lower</u> DOES NOT APPLY <u>Upper</u> DOES NOT APPLY
Extinguishing Media DOES NOT APPLY	Auto Ignition Temperature DOES NOT APPLY
Unusual Fire and Explosion Hazards NONE	
Special Fire Fighting Procedures NONE	

SECTION 5 - HEALTH INFORMATION

Signs and Symptoms of Exposure - (1) Acute Overexposure

IRRITATION OF SKIN, EYES, OR NASAL PASSAGES FROM ALKALI IN PORTLAND CEMENT. WHEN WET, CONTACT WITH THE SKIN OR EYES MAY RESULT IN IRRITATION OR BURNS.

Signs and Symptoms of Exposure - (2) Chronic Overexposure

CEMENT DUST CAN CAUSE INFLAMMATION OF THE LINING TISSUE OF THE INTERIOR OF THE NOSE AND INFLAMMATION OF THE CORNEA. HYPERSENSITIVE INDIVIDUALS MAY DEVELOP ALLERGIC DERMATITIS. EXCESSIVE EXPOSURE TO CRYSTALLINE QUARTZ BY BREATHING DUST OVER AN EXTENDED PERIOD OF TIME MAY RESULT IN THE DEVELOPMENT OF PULMONARY DISEASES INCLUDING PNEUMOCONIOSIS AND SILICOSIS, WHICH COULD EVENTUALLY LEAD TO LUNG CANCER.

Medical Conditions Generally Aggravated by Exposure

RESPIRATORY DISORDERS OR DISEASES, DERMATITIS, OR OTHER SKIN DISORDERS MAY BE AGGRAVATED BY EXPOSURE.

Chemical/Component Listed as Carcinogen

QUARTZ

NTP

YES

IARC

YES

OSHA

NO

Other Exposure Limits

NONE

Emergency & First Aide Procedures for Indicated Routes of Entry

INHALATION: REMOVE FROM EXPOSURE. IF NOT BREATHING, GIVE ARTIFICIAL RESPIRATION. IF BREATHING IS DIFFICULT, GIVE OXYGEN. CONSULT A PHYSICIAN.

EYE CONTACT: IMMEDIATELY FLUSH EYES WITH LARGE QUANTITIES OF WATER FOR AT LEAST 15 MINUTES. CONSULT A PHYSICIAN.

SKIN CONTACT: IMMEDIATELY WASH SKIN THOROUGHLY WITH SOAP AND WATER.

SECTION 6 - REACTIVITY DATA

Stability

STABLE

Conditions to Avoid

DOES NOT APPLY

Incompatibility (Materials to Avoid)

MATERIAL IS HIGHLY ALKALINE. CONTACT WITH ACIDS WILL PRODUCE A VIOLENT, EXOTHERMIC REACTION AND MAY EVOLVE TOXIC GASES OR VAPORS, DEPENDING UPON THE ACID INVOLVED.

Hazardous Decomposition or Combustion Products

DOES NOT APPLY

Hazardous Polymerization

WILL NOT OCCUR

Conditions to Avoid

DOES NOT APPLY

SECTION 7 - SPILL OR LEAK PROCEDURES

Steps to be Taken in Case Material is Leaked or Spilled

CLEAN-UP OF SPILLS MAY REQUIRE PERSONAL PROTECTIVE EQUIPMENT TO PREVENT DUST EXPOSURES AND PROTECT AGAINST ALKALI BURNS OR IRRITATION. SEE SECTION 8.

Waste Disposal Method

IF THIS MATERIAL, AS PACKAGED, BECOMES A WASTE, IT DOES NOT MEET THE CRITERIA FOR A HAZARDOUS WASTE AS DEFINED BY THE ENVIRONMENTAL PROTECTION AGENCY UNDER THE AUTHORITY OF THE RESOURCE CONSERVATION AND RECOVERY ACT (40CFR 261). DISPOSE OF IN ACCORDANCE WITH FEDERAL, STATE AND LOCAL REGULATIONS.

SECTION 8 - PERSONAL PROTECTION INFORMATION

Respiratory Protection

NIOSH/MSHA APPROVED FOR PROTECTION AGAINST NUISANCE DUSTS.

Ventilation

GENERAL OR LOCAL EXHAUST TO MAINTAIN EXPOSURE BELOW TLV/PEL.

Protective Gloves

RUBBER, PVC, NEOPRENE OR OTHER IMPERVIOUS MATERIAL.

Eye Protection

GOGGLES

Other Protective Clothing or Equipment

RUBBER HIGH TOP BOOTS, BARRIER CREAMS, ARM SLEEVES AND APRONS MAY BE USED, WHEN NECESSARY, TO PREVENT SKIN CONTACT.

SECTION 9 - SPECIAL PRECAUTIONS

Precautions to be Taken in Handling & Storing

SHOULD BE STORED IN A MANNER TO PREVENT CONTACT WITH STRONG ACIDS. CONTACT WITH WATER SHOULD BE AVOIDED TO PRESERVE PRODUCT.

Other Precautions

NONE

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